

# Commerce General Architecture

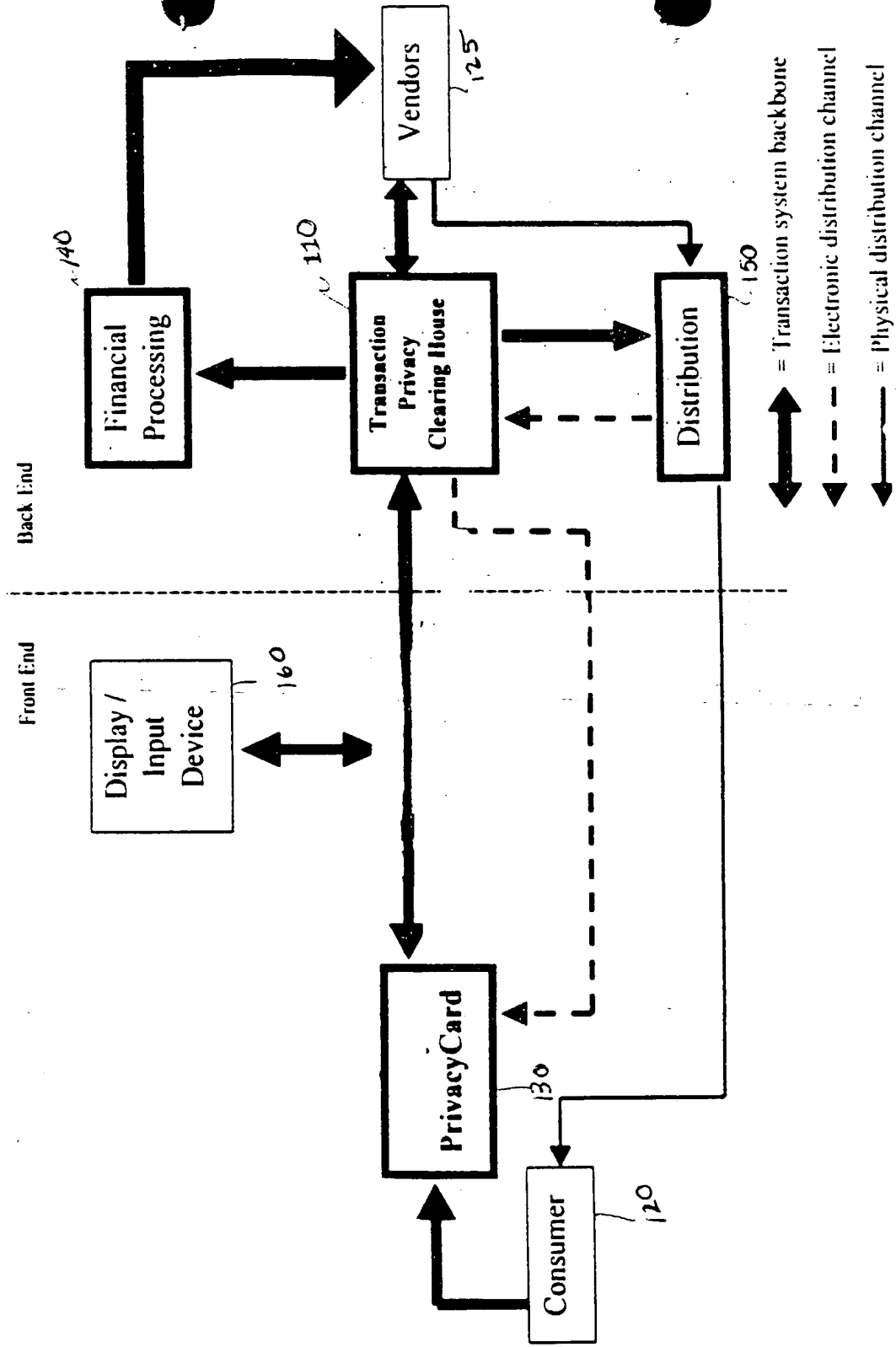


Fig 1

# Commerce General Architecture - POS Terminal:

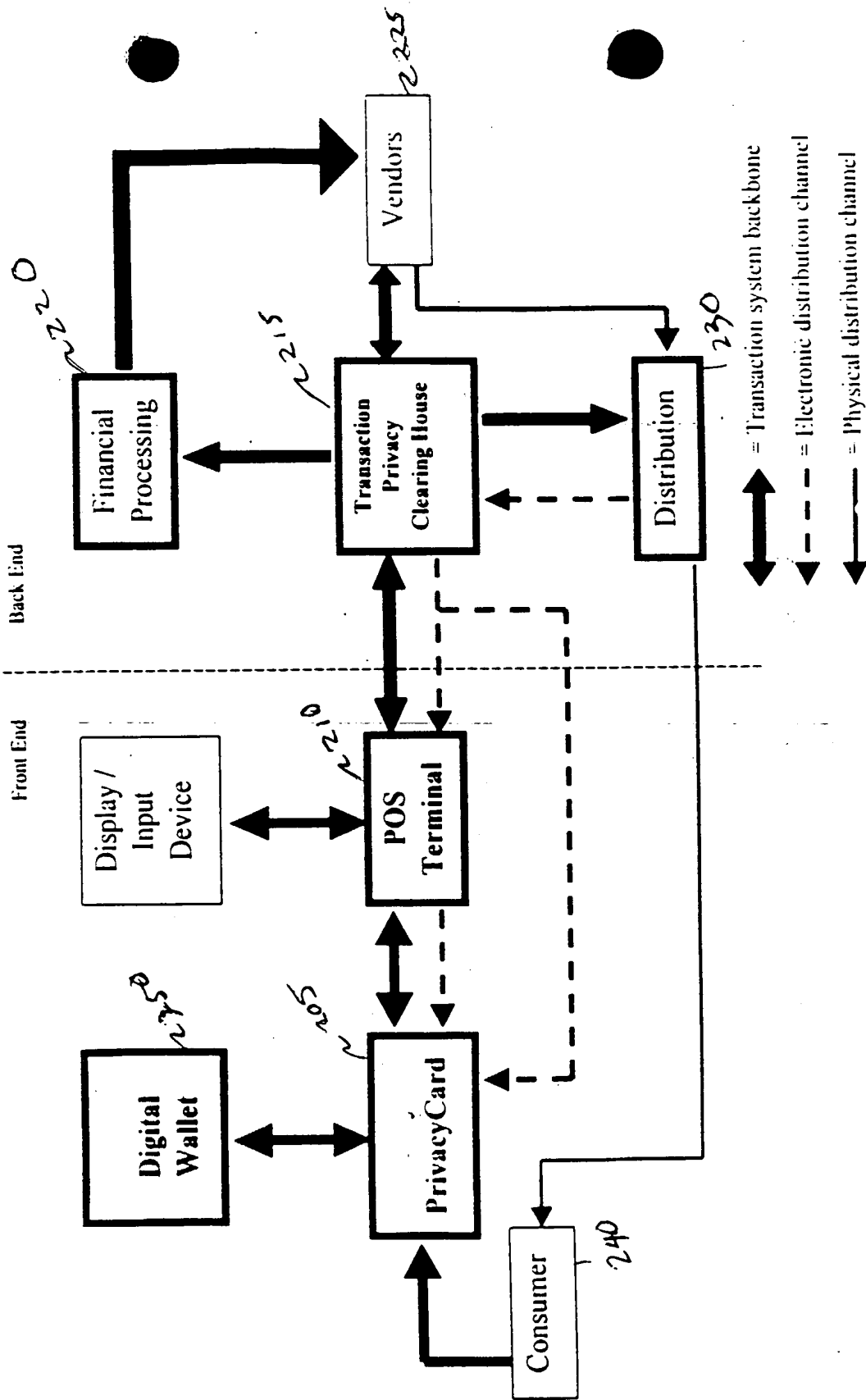


Fig 2

[illegible]

# In-Store Retail Environment

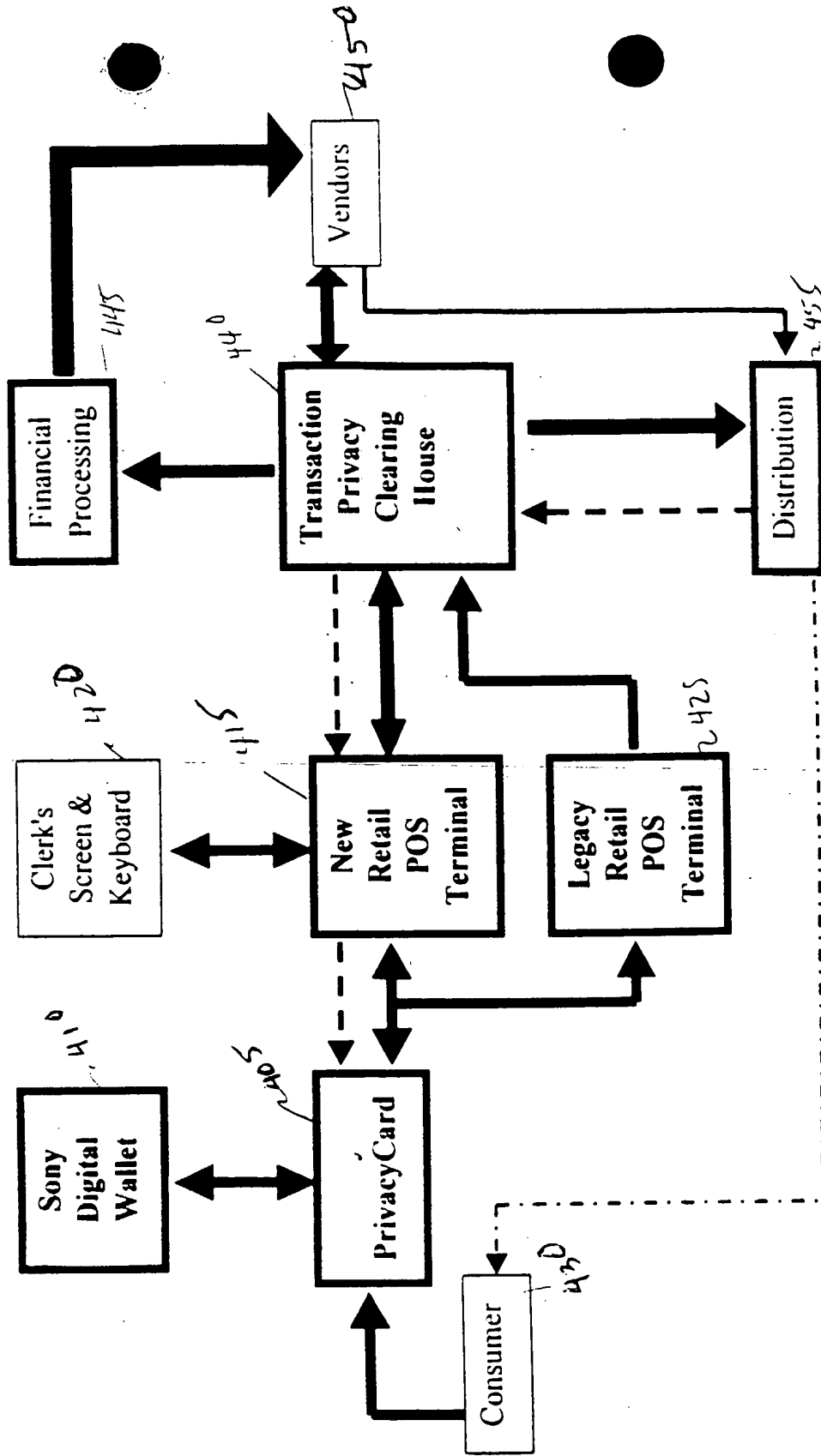


Fig 4

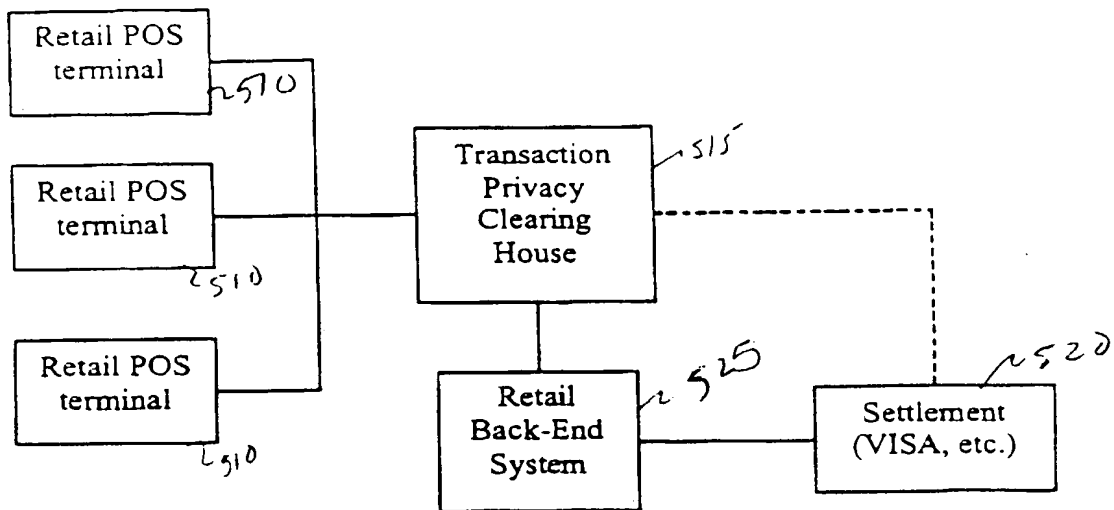


Diagram 5a: A retail system modified to support the interaction of legacy POS terminals with the Digital Wallet system

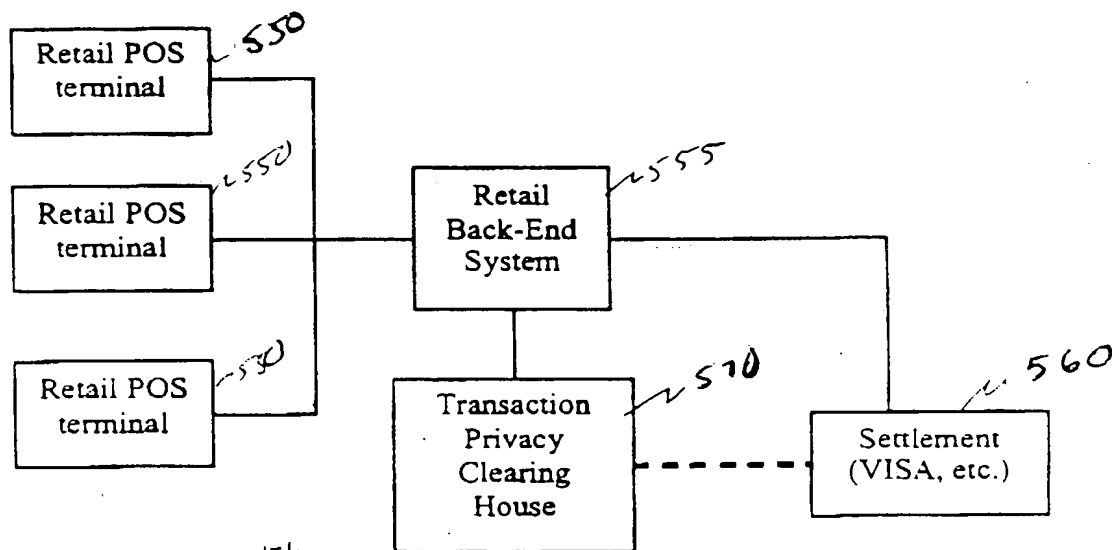
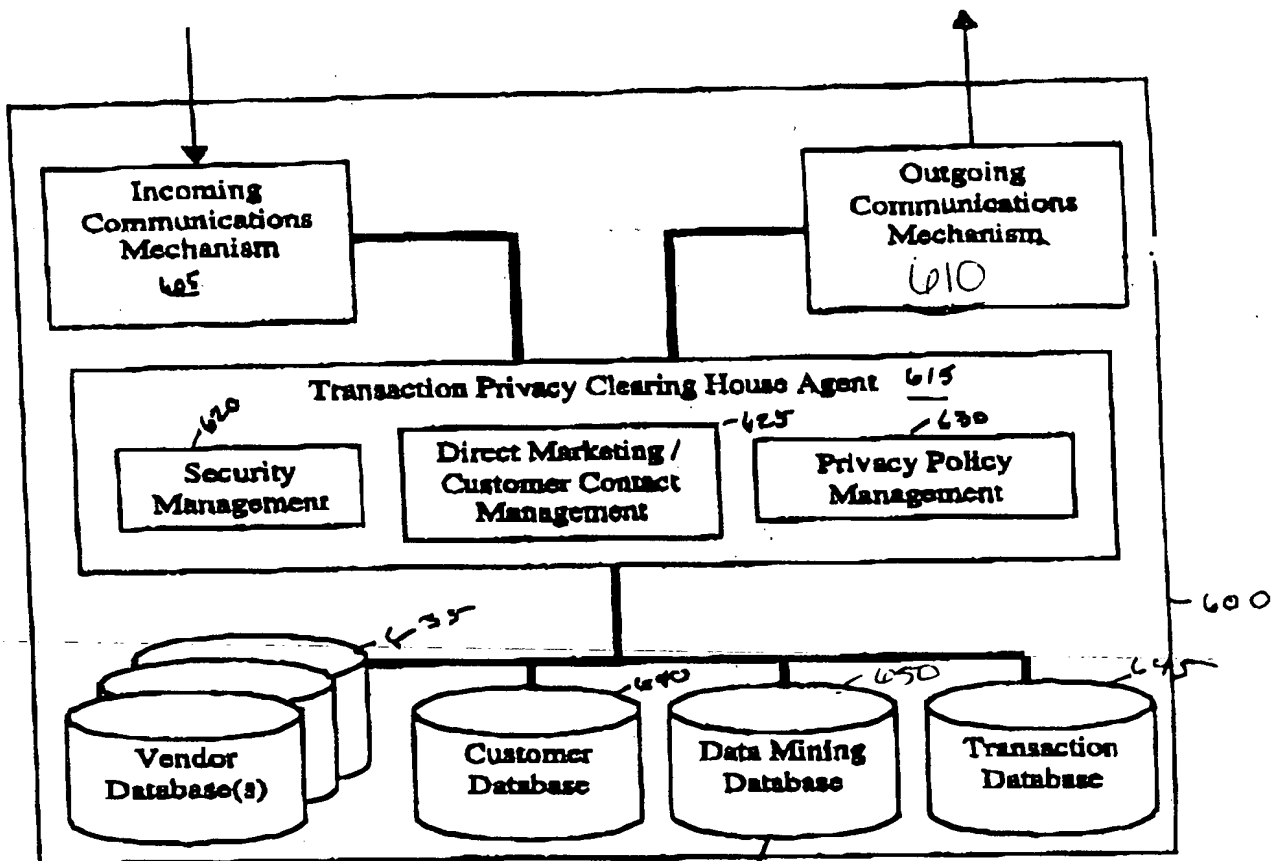


Diagram 5b: An alternative embodiment of the retail system modified to support the interaction of legacy POS terminals with the Digital Wallet system



Transaction Privacy Clearing House: Major Components

Fig. 6

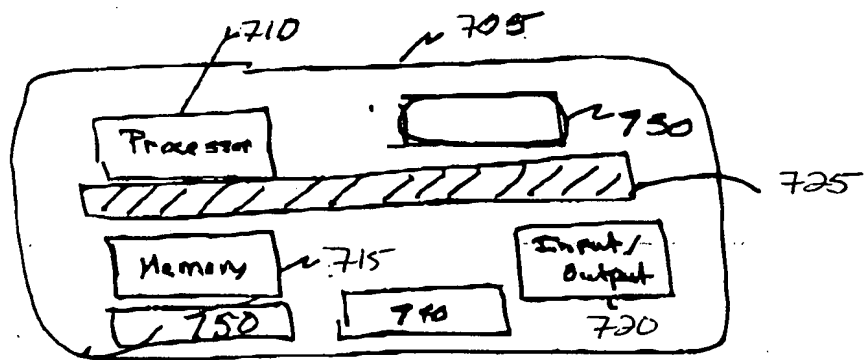


Figure 7a

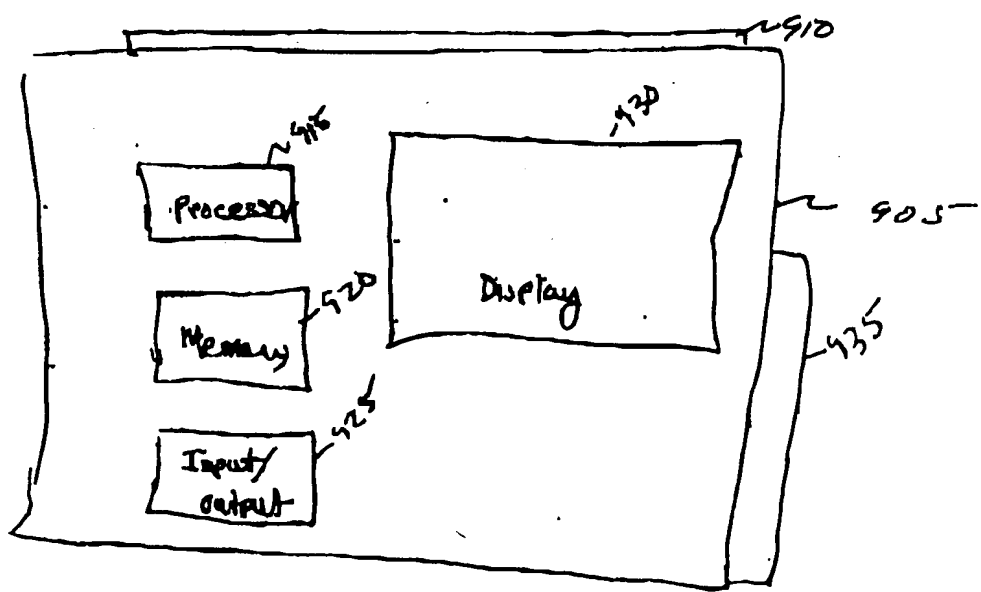
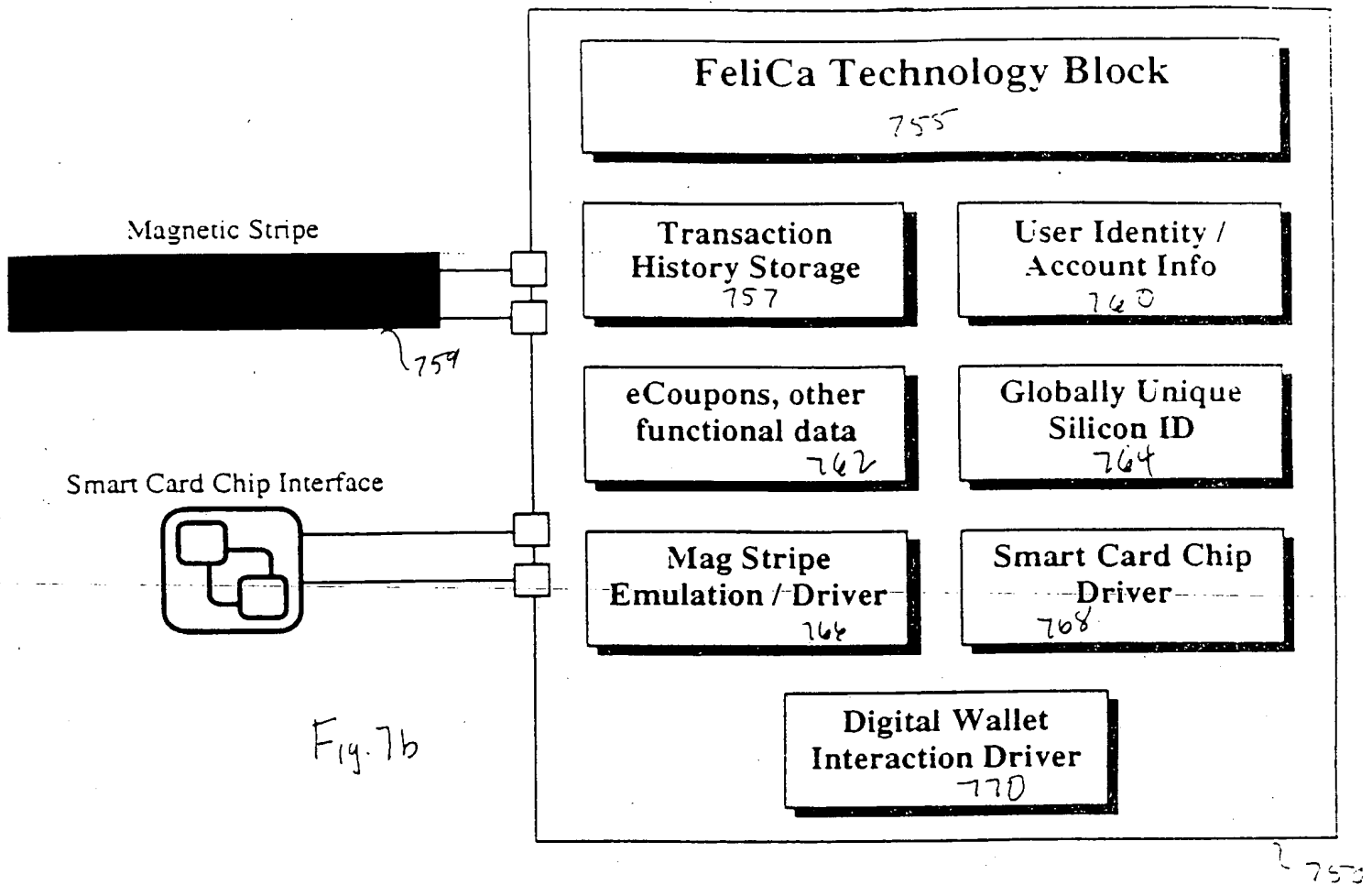


Figure 9a





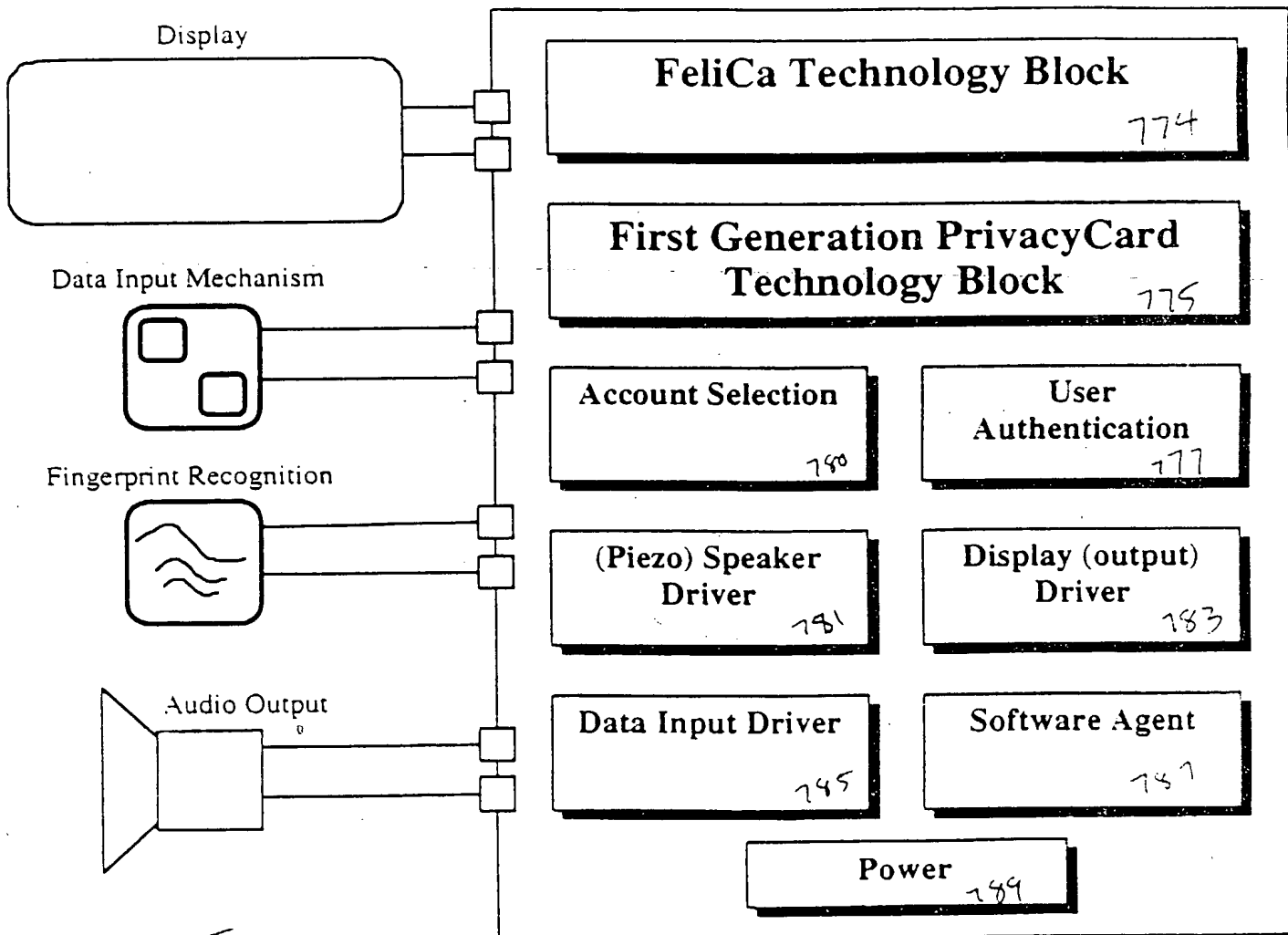


Fig. 7c

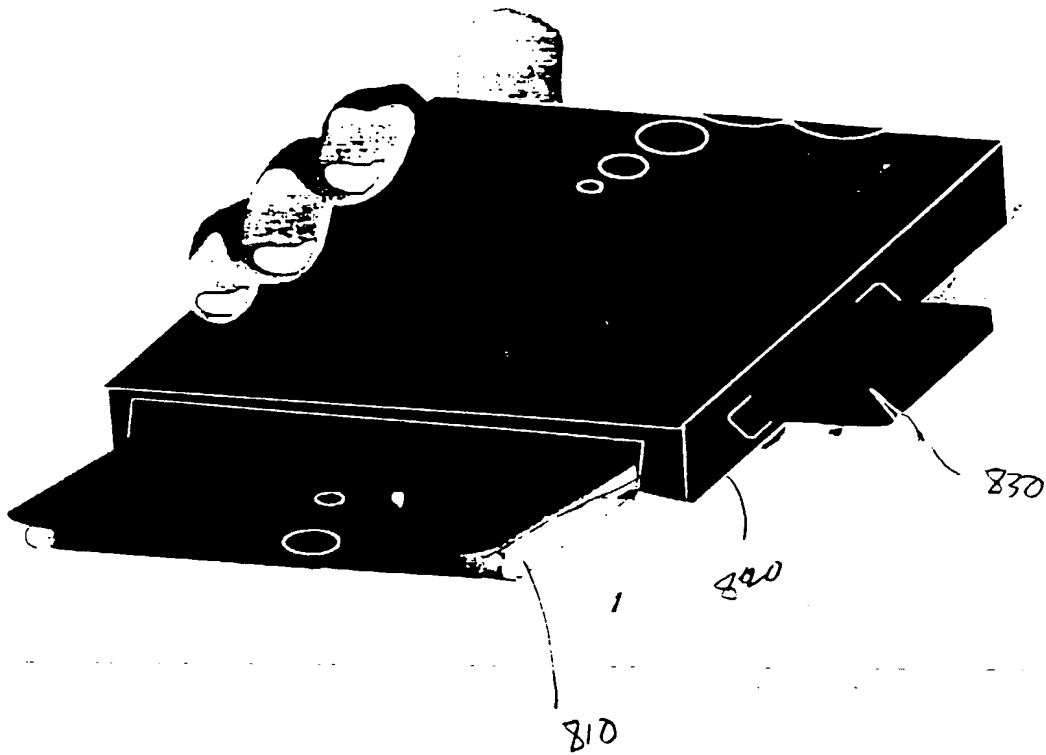
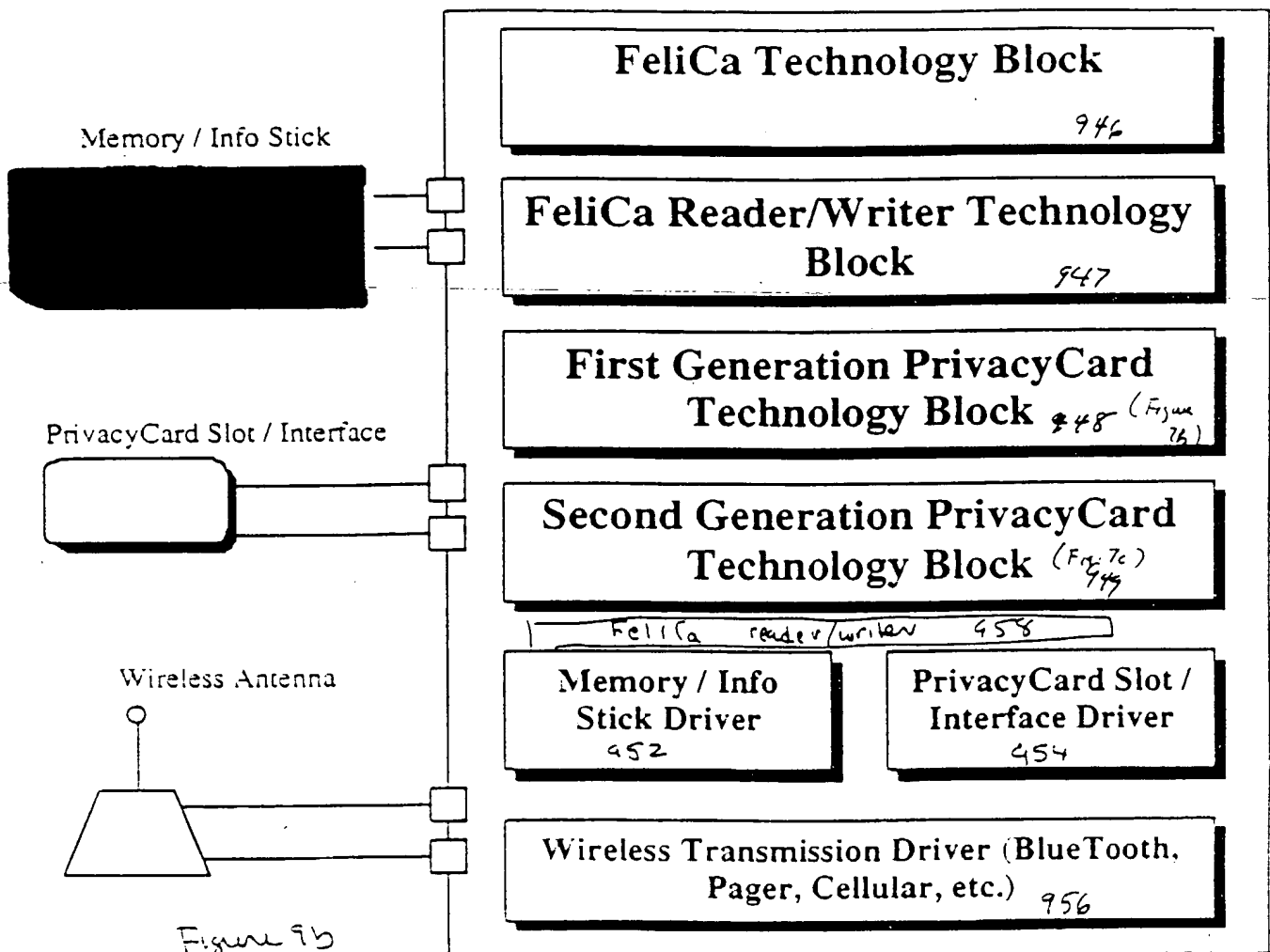


Fig 8

Digital Wallet and  
Privacy Card

## Digital Wallet



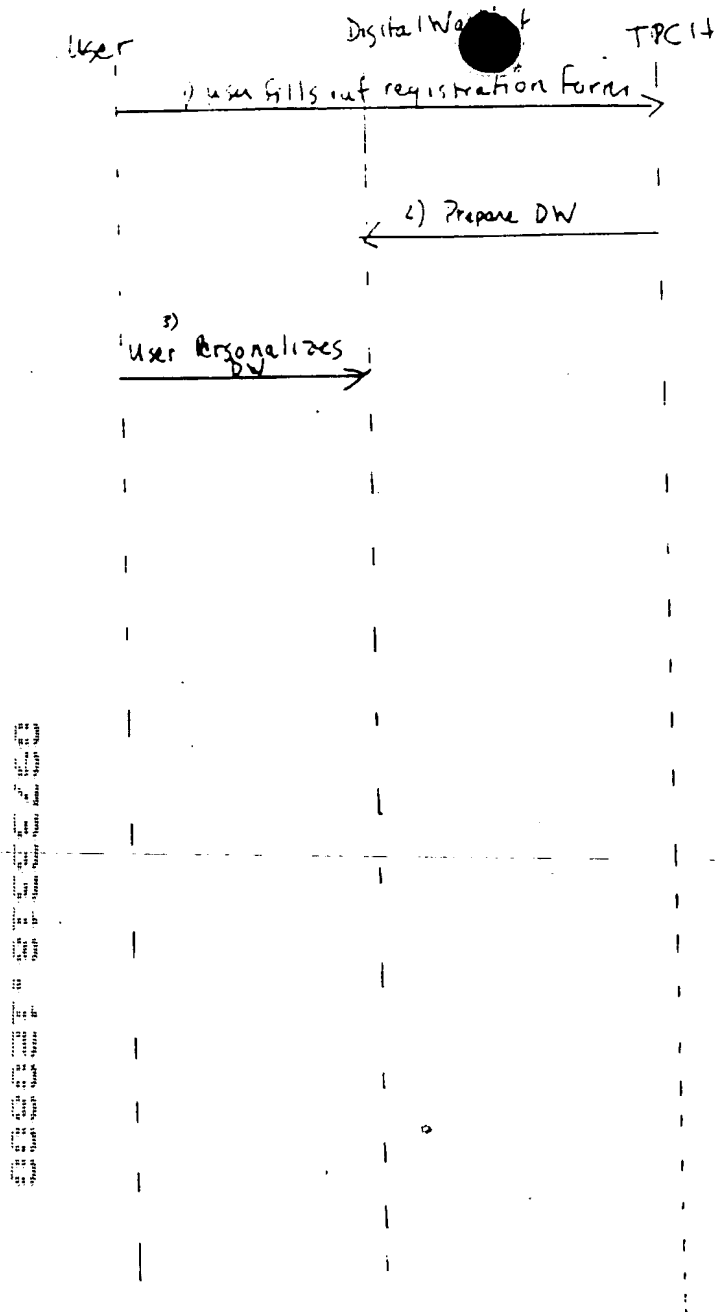


Fig. 10

Setup of Digital wallet

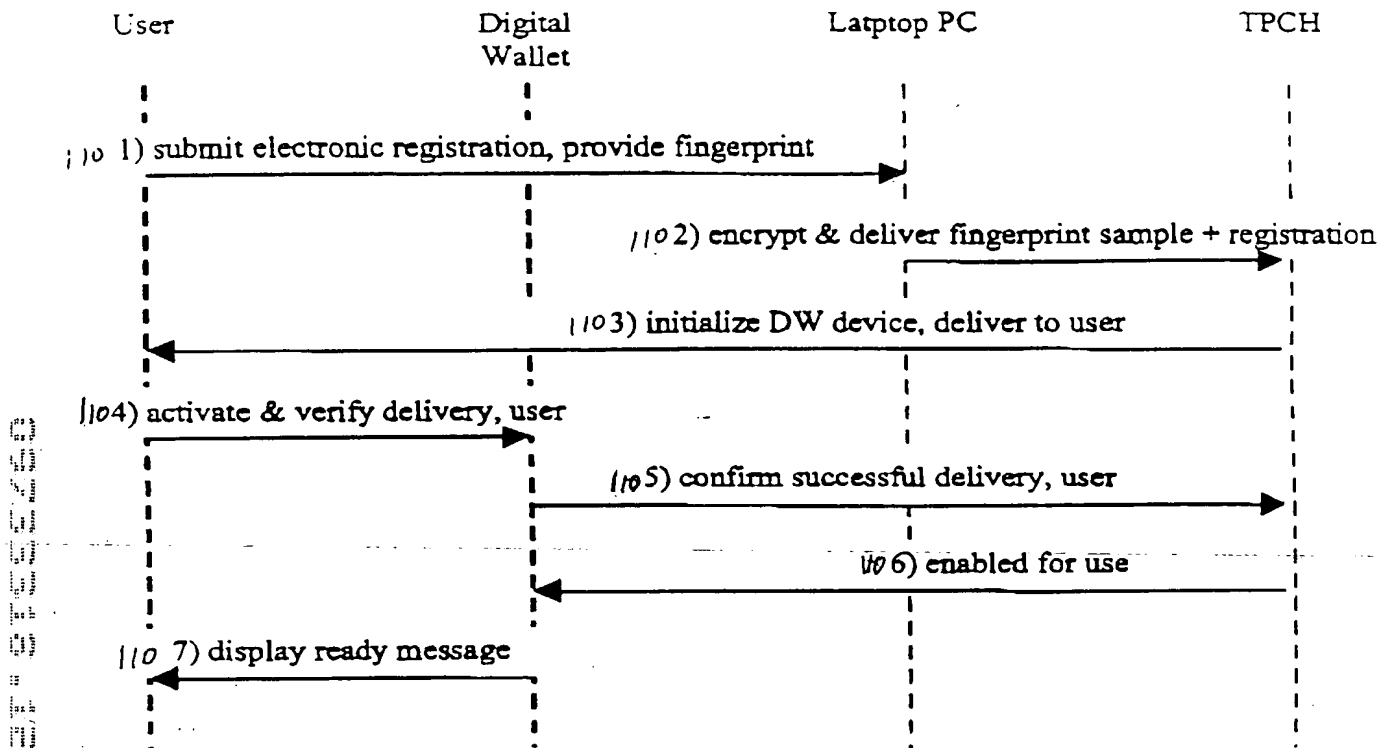


Fig 11

Digital Wallet Setup  
(Alternate Embodiment)

USER

AD

Digital Wallet

TPCIP

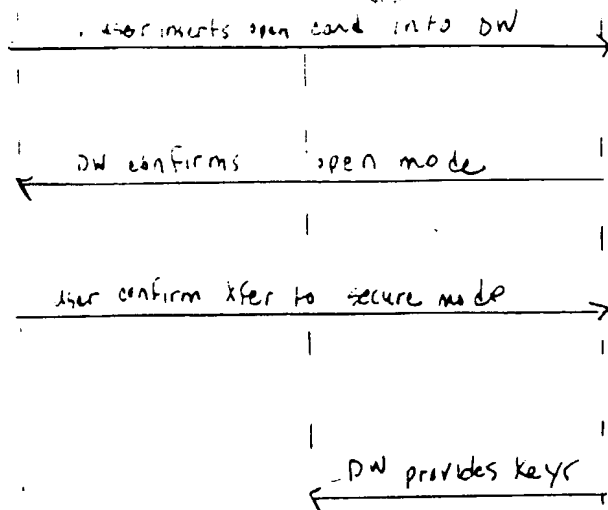
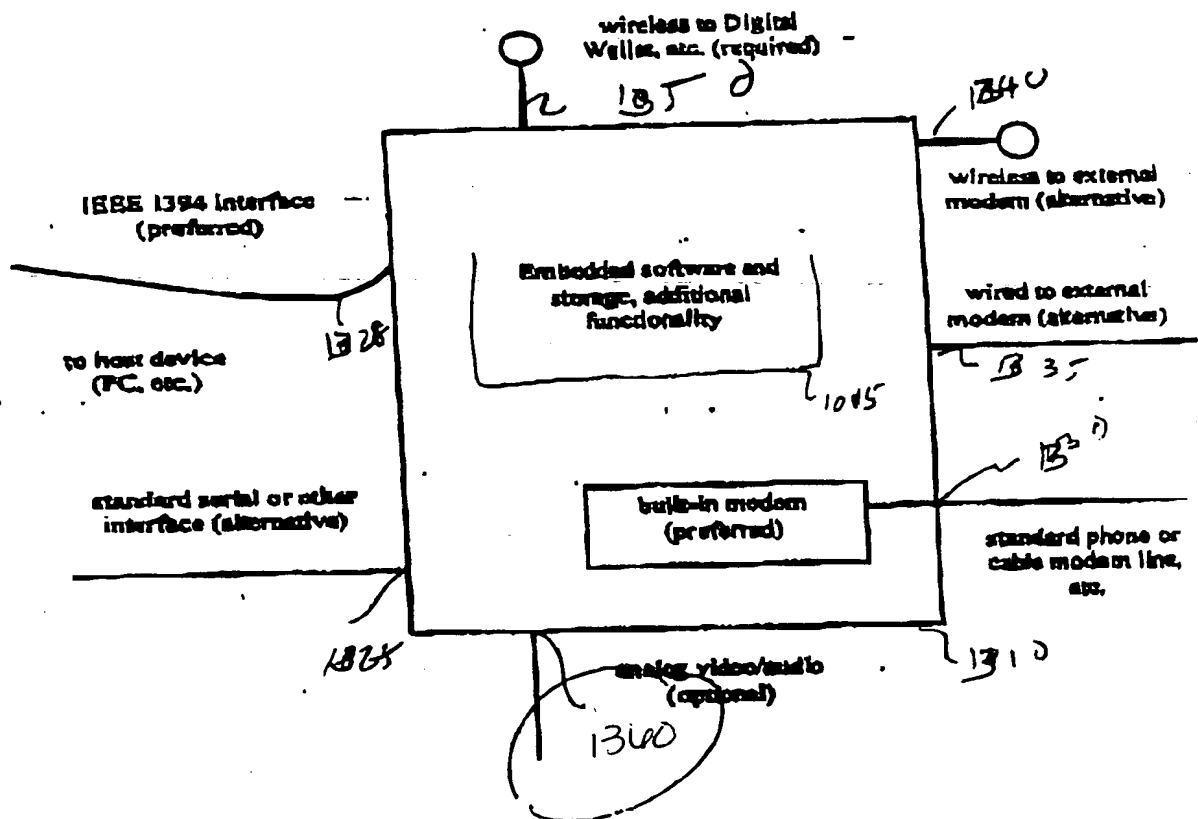


Fig. V.2

conversion of card to secure



POS Terminal

Fig. 13

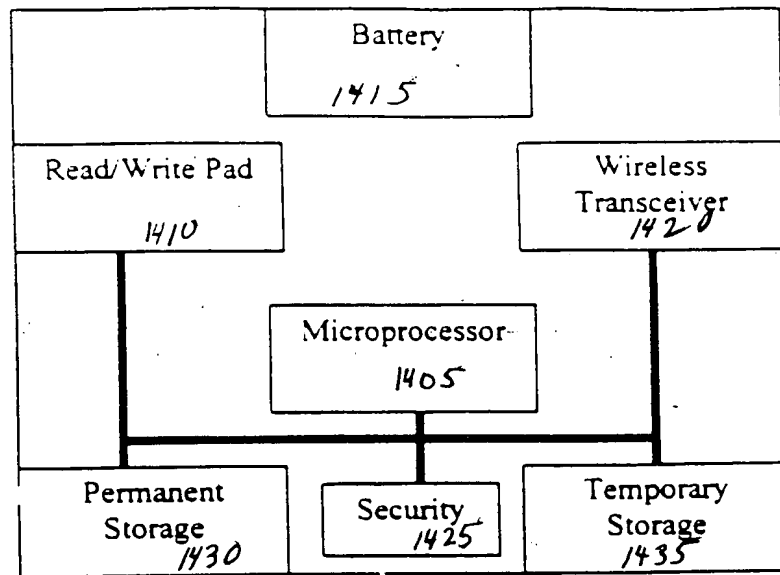


Diagram of the major components of the PersonalPOS,  
showing the data/address bus interconnect.

Fig 14



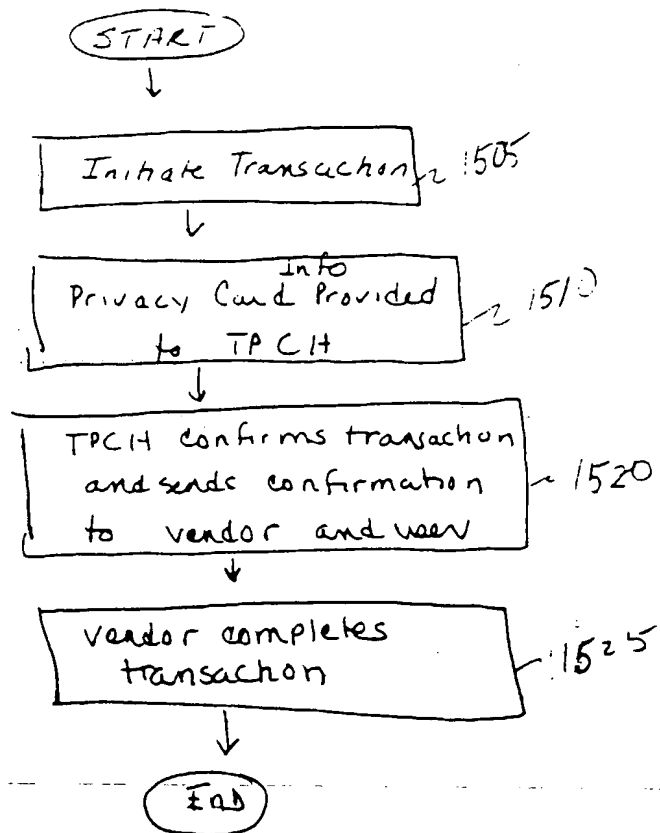


Fig. 15

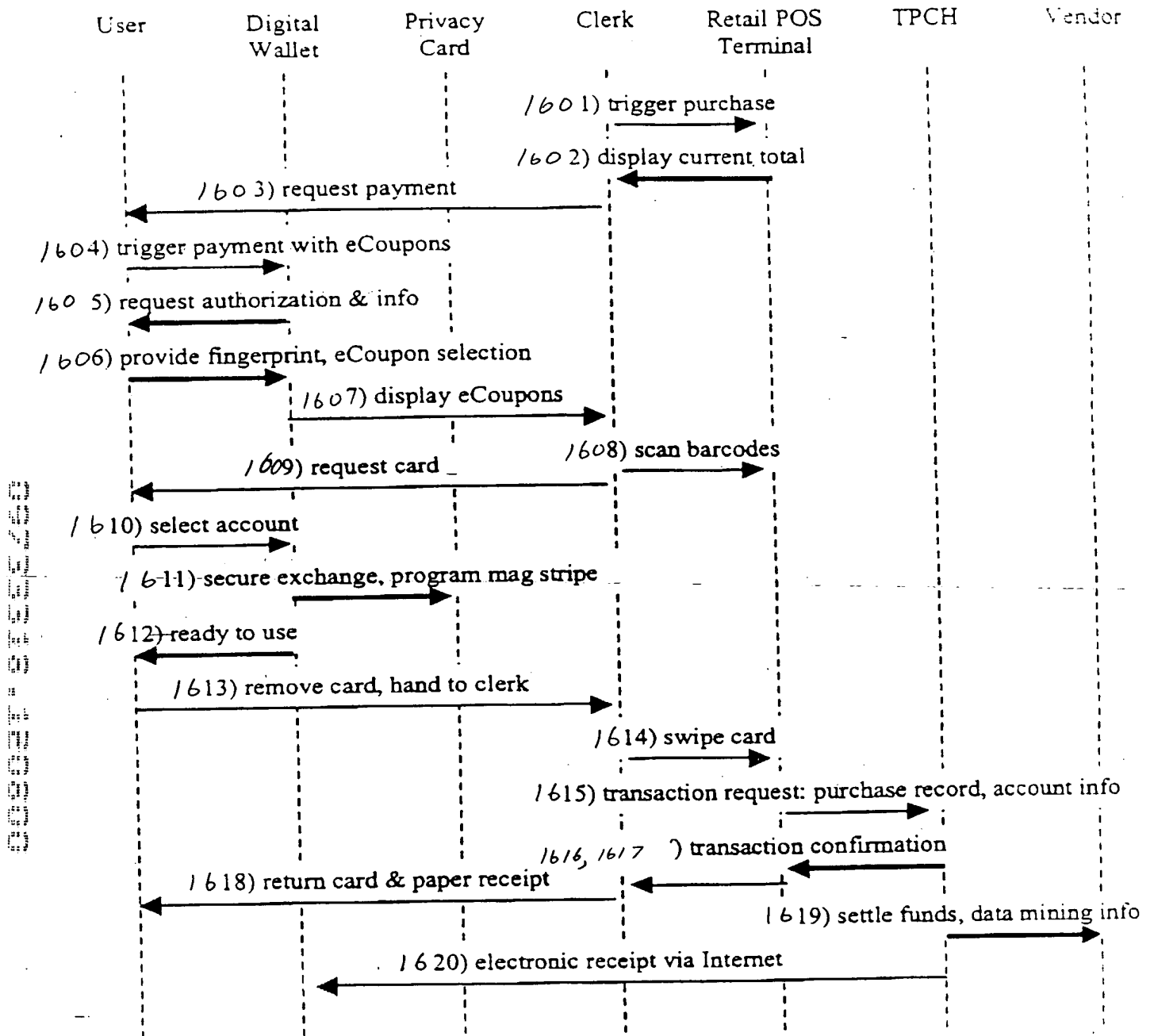


Fig 16

Retail Transaction

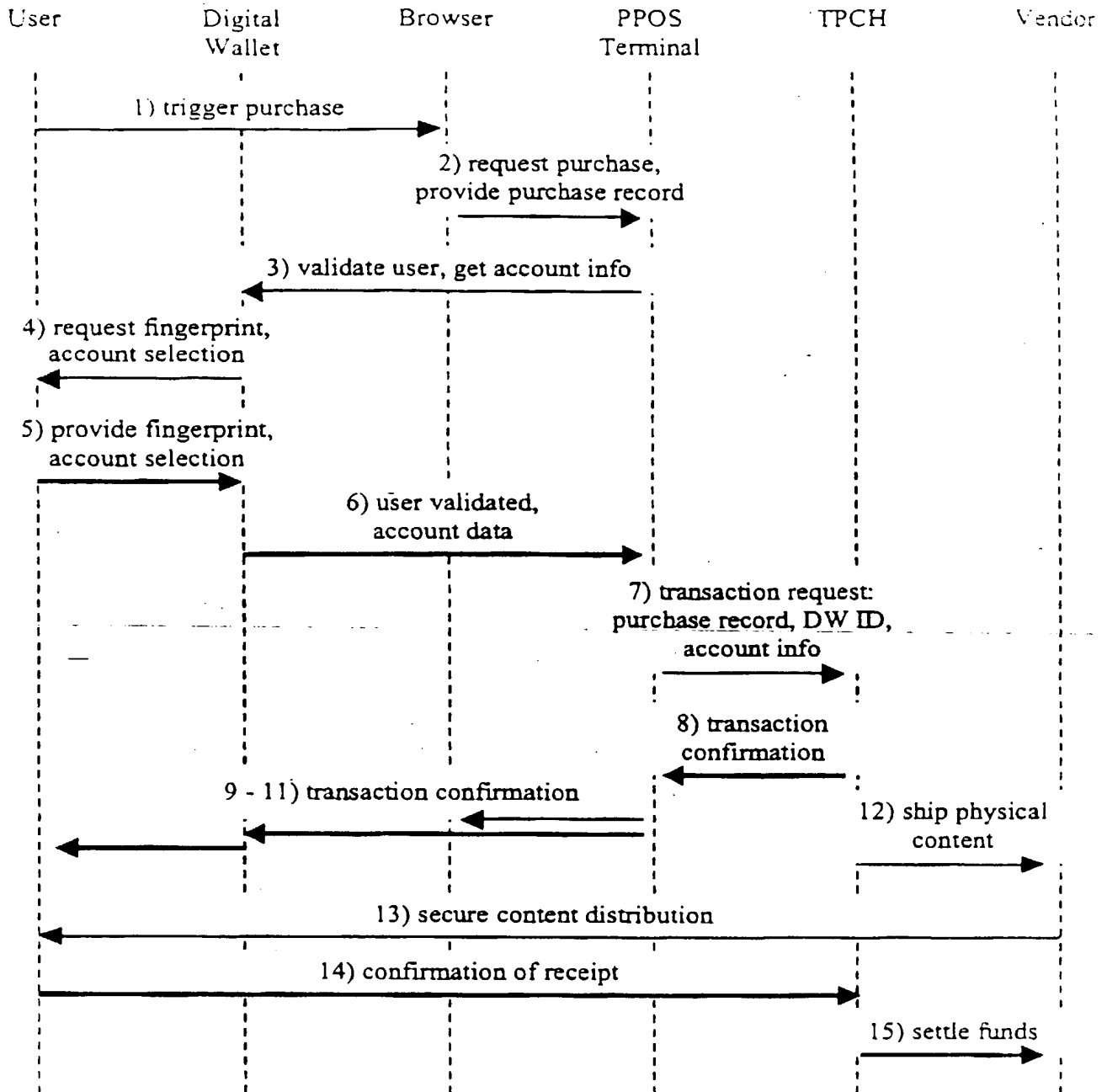


Fig. 17

Web Transaction

1801) assign unique package\_ID  
1802) encode user\_physical\_address, related to package\_ID  
1803) package content, apply coded label  
1804) pickup, read-label, associate address  
1805) deliver to user  
1806) activate, confirm acceptance of delivery  
1807) confirm acceptance of product

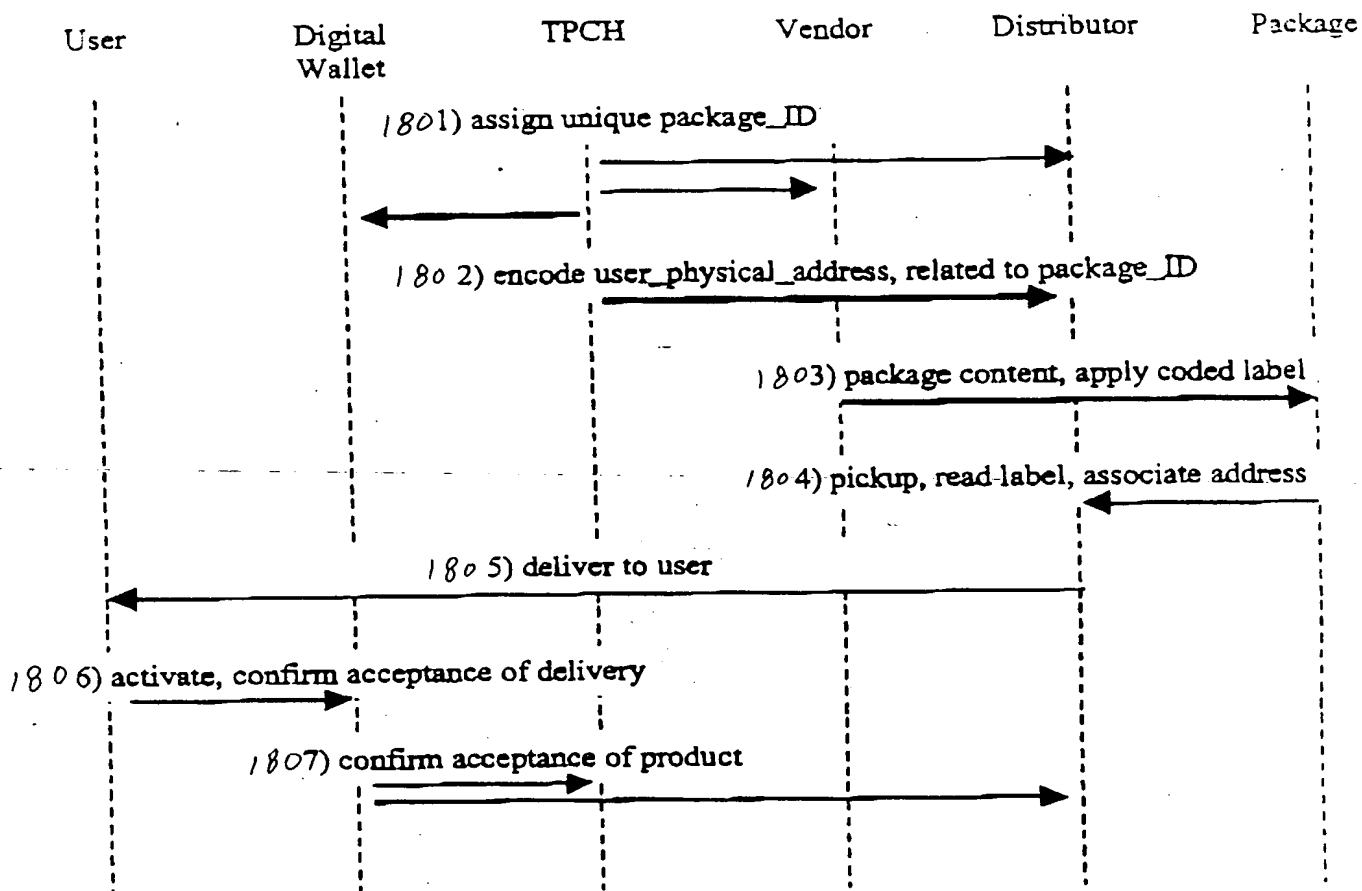


Fig. 18

Delivery of Product

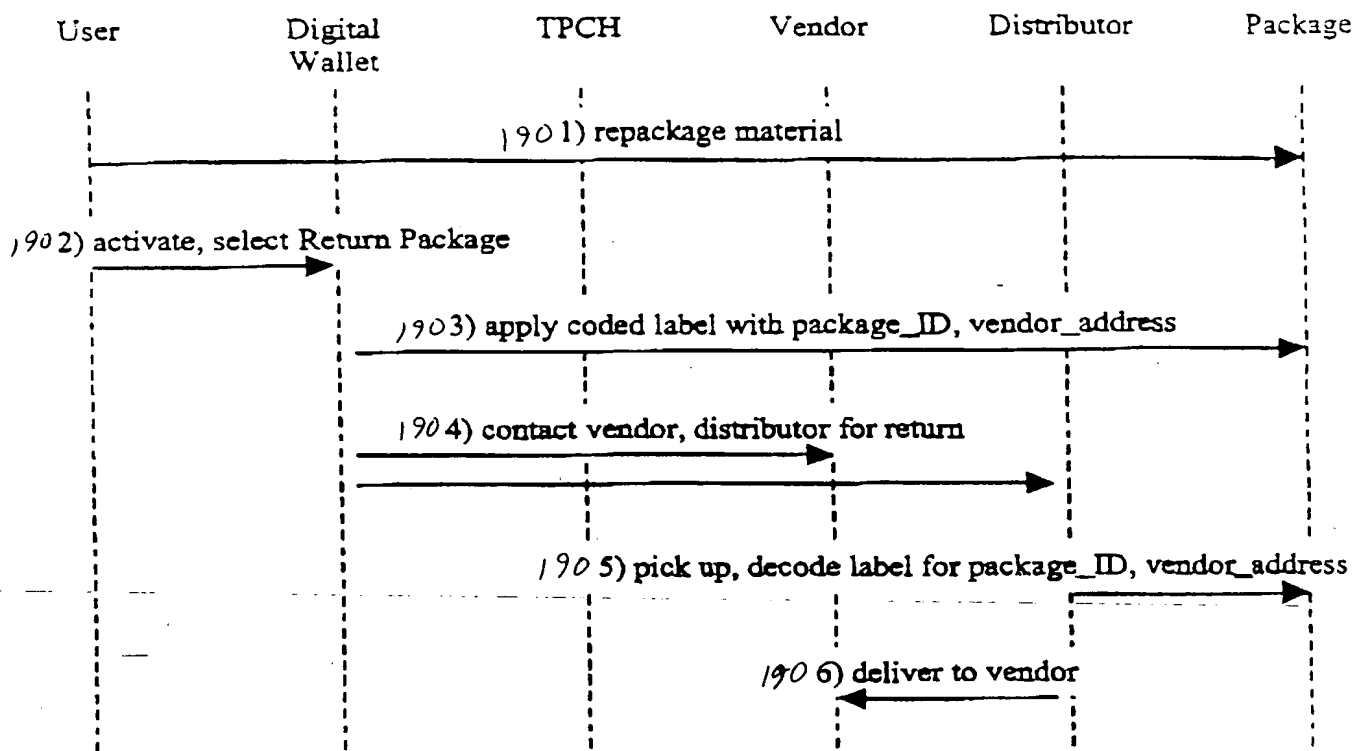


Fig. 19

Return of Product

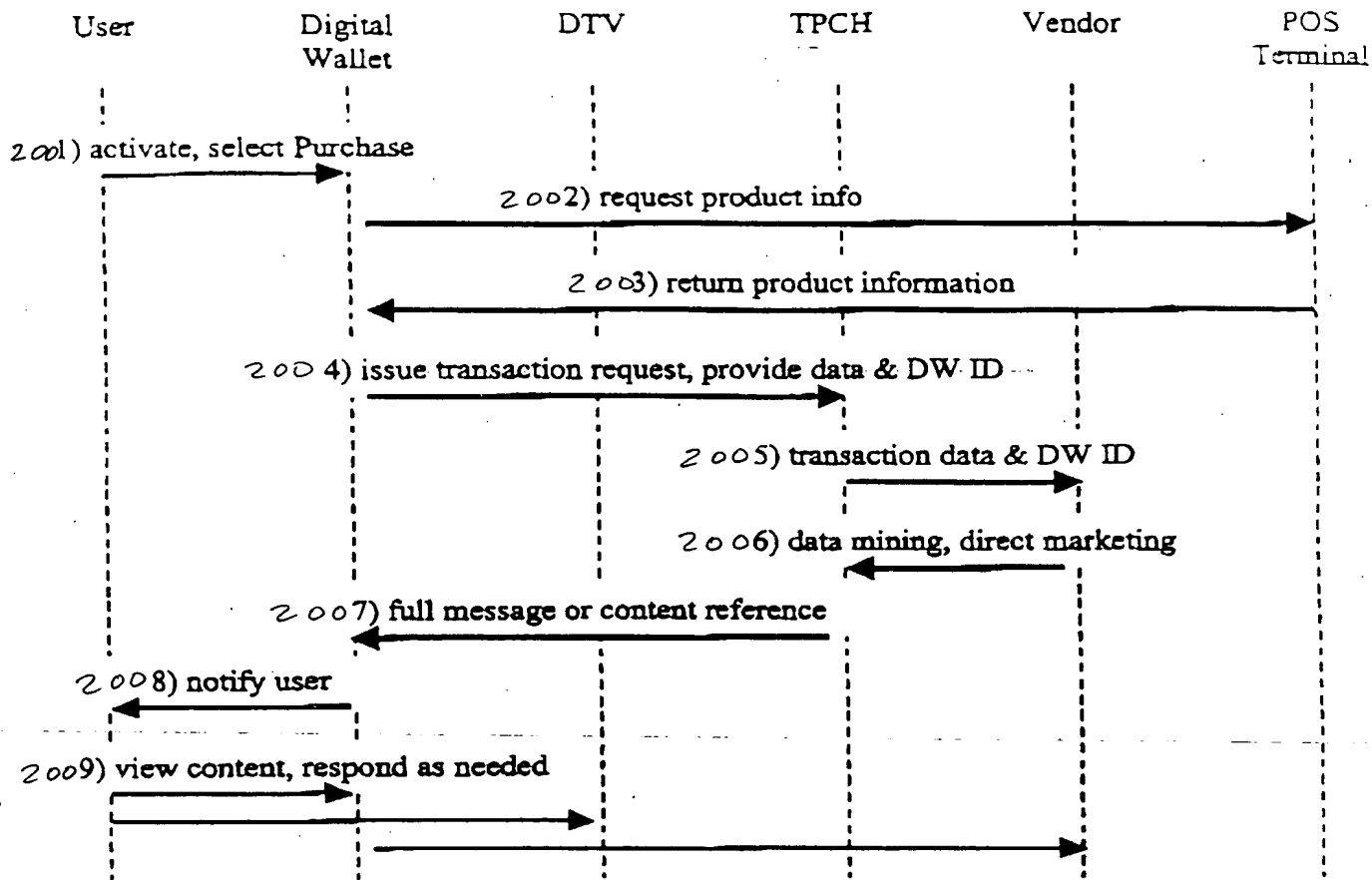


Fig 20

Data Mining

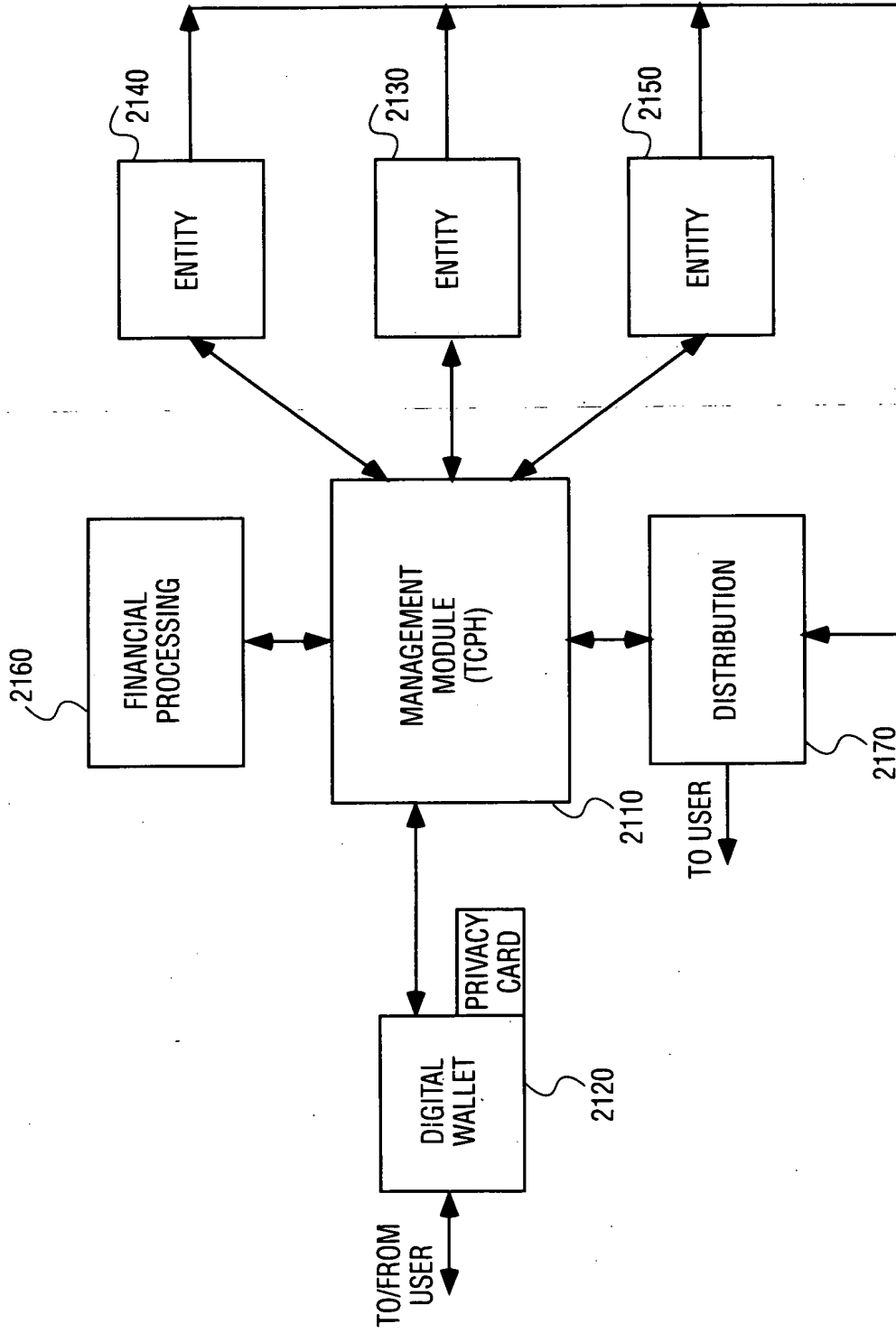
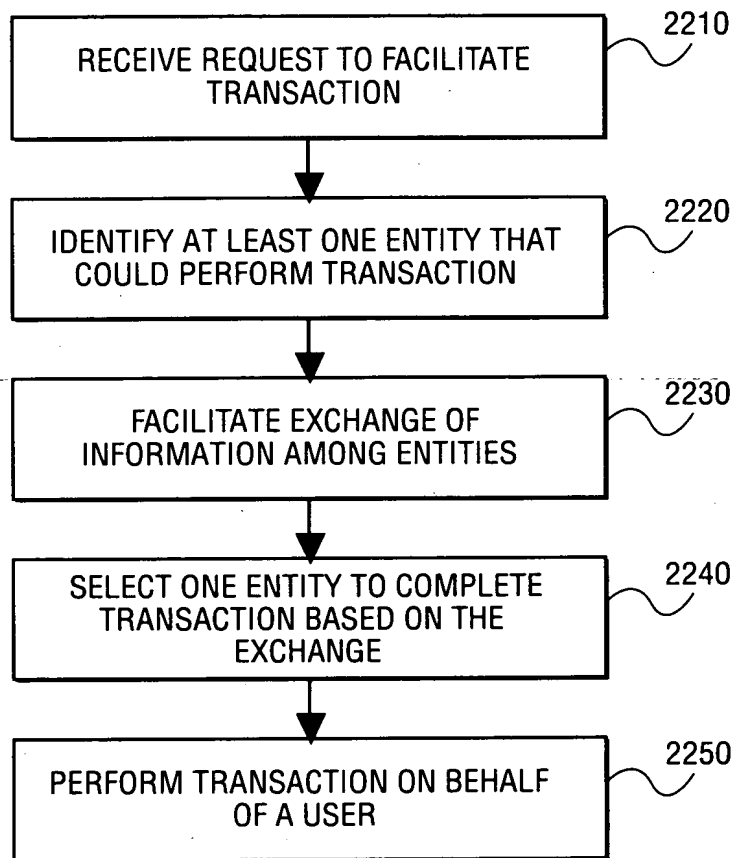
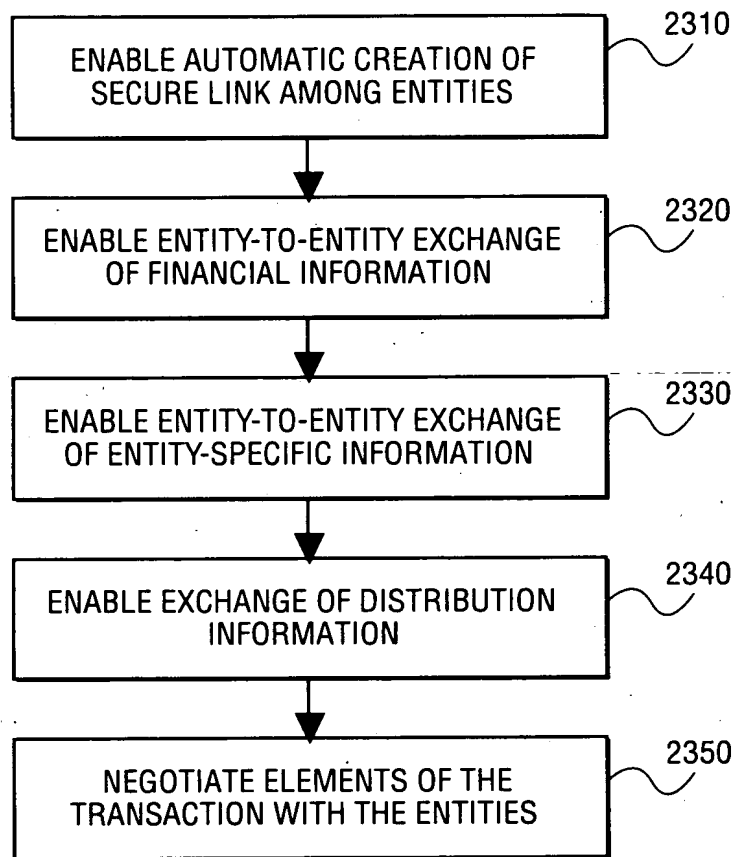


FIG. 21



**FIG. 22**





**FIG. 23**